

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A radio communication method of communication between two radio stations, comprising the steps of:

mutually exchanging information between said two radio stations about one or more radio communication methods with which each radio station is equipped as software by communicating according to a first radio communication method defined beforehand;

selecting a second radio communication method suitable for a communication application to be used for communication between said two radio stations from among the one or more radio communication methods with which at least one of the two radio stations is equipped;

identifying, based on the exchanged information about the one or more radio communication methods, one of the two radio stations that is not equipped with software of the second radio communication method, wherein which one of the two radio stations is identified as a result of said identifying step varies in response to the exchanged information about the one or more radio communication methods;

transmitting software of the second radio communication method to said one of the two radio stations identified by said identifying step from another one of the two radio stations according to said first radio communication method; and

conducting communications between said two radio stations by the communication application according to said second radio communication method based on said software.

Claim 2 (Previously Presented): The radio communication method as claimed in claim 1, wherein said selecting step selects radio communication method that satisfies

communication quality required by said communication application as the second radio communication method.

Claim 3 (Previously Presented): The radio communication method as claimed in claim 1,

wherein said identifying step checks whether both of the radio stations are equipped with said second radio communication method or only one of the two radio stations is equipped with said second radio communication method, and

said transmitting step transmits the software of said second radio communication method from said another one of the radio stations to the identified one of the radio stations when said another one of the radio stations determines that only said another one of the radio stations is equipped with said second radio communication method.

Claim 4 (Previously Presented): The radio communication method as claimed in claim 3, wherein the identified one of the radio stations acquires the software of said second radio communication method transmitted from said another one of the radio stations when the identified one of the radio stations determines that only said another one of the radio stations is equipped with said second radio communication method.

Claim 5 (Currently Amended): The radio communication method as claimed in claim 3, wherein each of the two radio stations performs communications by said communication application according to the second radio communication method based on the software already installed ~~locally~~ when each of the two radio stations determines that the second radio communication method is provided in both the radio stations.

Claim 6 (Currently Amended): A radio station that communicates with another radio station by a communication application according to a radio communication method by controlling radio communication means that comprises hardware that is independent of radio communication methods, comprising:

memory means to store one or more sets of software of radio communication methods;

information exchange control means to mutually exchange information about one or more radio communication methods installed as software by communicating according to said first radio communication method defined beforehand;

radio communication method selection means to select a second radio communication method suitable for said communication application from radio communication methods available in at least one of the radio station and said another radio station;

checking means to check, based on the exchanged information about the one or more radio communication methods, whether said second radio communication method is installed in both the radio station and the other radio station or only one of the radio station and the other radio station, and to identify one of the radio station and the other radio station that is not installed with the second radio communication method, wherein which one of the radio station and the other radio station is identified by said checking means varies in response to the exchanged information about the one or more radio communication methods; and

software transmitting control means to read the software of said second radio communication method from said memory means and transmit the same to said another radio station by said first radio communication method when the checking means determines that said second radio communication method is installed only at the radio station,

wherein communication with the other radio station by said communication application according to said second radio communication method is conducted by

controlling said radio communication means based on the software of said second radio communication method after transmission of the software of said second radio communication method to the other radio station by said software transmission control means.

Claim 7 (Original): The radio station as claimed in claim 6, comprising software acquisition control means to acquire software of said second radio communication method transmitted from the other radio station when said checking step determined that said second radio communication method is equipped only with the other radio station, and to store the same into said memory means.

Claim 8 (Previously Presented): The radio station as claimed in claim 6, comprising controlling said radio communication means based on said software by reading the software of said second radio communication method from said memory means when said second radio communication method is determined available in both the radio station and the other radio station by said checking means.

Claim 9 (Previously Presented): The radio station as claimed in claim 6, wherein said radio communication method selection means selects a radio communication method that will satisfy the communication quality that said communication application requires as the second radio communication method suitable for the communication application concerned.

Claim 10 (Previously Presented): The radio station as claimed in claim 6, which is used as a mobile station or a base station in a mobile communications system.

Claim 11 (Previously Presented): The radio station as claimed in claim 6, which is used as a mobile station in a mobile ad hoc communication system.

Claim 12 (Currently Amended): A mobile communication system, as claimed in claim 6; ~~comprising two or more radio stations as claimed in any one of claims 6 through 9,~~  
wherein each of which the radio station and another radio station functions as one of a mobile station, a relay station, and a base station.

Claim 13 (Currently Amended): A radio communication method as claimed in ~~any one of claims 1 through 5~~ claim 1, wherein each of said two radio stations functions as one of a mobile station, a relay station and a base station.